

The invention relates to the hydraulic power engineering, namely to the hydroelectric stations using the water flow kinetic energy.

The hydroelectric station contains a platform (2), fixed onto an abutment (1) with the possibility of regulating its position about the water flow level, placed thereon and kinematically joined with each other, a generator (5), a step-up gear (6) and a turbine (8), including a vertical axis (7) joined with the step-up gear (6), to which the are radially fixed horizontal bars (11) with blades (9). The platform (2) is installed onto floating bodies (4), and each blade (9), the surface of which is made hydrodynamic, is mounted onto an axis (10), vertically fixed onto the free end of each of the horizontal bars (11). Each blade (9) is kinematically joined with a turning mechanism (12) and may be made hollow. The device for platform fixation to the abutment (1) includes a frame metalwork (3), onto which it is installed a winch (13).

Claims: 3
Fig.: 2

